

ROXBURY TOWNSHIP PUBLIC SCHOOLS
Landfill Gas Assessment

INDOOR AIR SAMPLING RESULTS
10/21/13 to 10/24/13

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H ₂ S)	SULFUR DIOXIDE (SO ₂)
Roxbury H.S.	10/22/13	Auditorium Stage	N.D.	N.D.
		Main Office	N.D.	N.D.
		Guidance Office	N.D.	N.D.
		Classroom P241	N.D.	N.D.
		Classroom P249	N.D.	N.D.
		Ambient	N.D.	N.D.
Roosevelt M.S.	10/23/13	Main Office	N.D.	N.D.
		Women Teachers Room	N.D.	N.D.
		Room #214	N.D.	N.D.
		Ambient	N.D.	N.D.
Jefferson E.S.	10/24/13	Nurses Room	N.D.	N.D.
		Room #15	N.D.	N.D.
		Computer Room	N.D.	N.D.
		Ambient	N.D.	N.D.

N.D. = Non-detectable

All results are in parts per billion (ppb)

Results are rounded to the nearest whole number

Sample Date is the date on which the 24 hour sample was completed

In conjunction with the 24-hour canister sampling, the Department of Health (DOH) is utilizing Jerome J605 portable handheld meters for detecting hydrogen sulfide (H₂S) gas. The H₂S readings are being taken each time the 24-hour canisters are placed and again when the canisters are collected. The H₂S readings are being taken in each room where a canister is placed and in hallways and corridors in the vicinity of these rooms as well as outside the building. On October 21, calibration issues resulted in intermittent detectable levels of H₂S that could not be validated. On October 22, one detectable level of H₂S (3.0 ppb) was measured in the Roxbury High School guidance office. An interfering compound is suspected since there were no noticeable odors at the time, there were no complaints of odors by any staff and all other readings both inside and outside of the High School were non-detectable. There were no detectable levels of H₂S measured inside or outside at any of the other schools that are being monitored.